

CLAIMS

What is claimed is:

1. A transflective liquid crystal device, comprising:
 - a first substrate with first transparent electrodes formed on a surface of the first substrate;
 - a second substrate with second transparent electrodes formed on a surface of the second substrate opposed to said first electrodes;
 - a liquid crystal layer disposed between said first and second substrates;
 - and
 - said first substrate including light reflecting layers each of which constitutes a reflective display region in one pixel region where said first transparent electrodes and said second transparent electrodes are mutually opposed and each of which defines a remaining region of each of said pixel regions as a transmissive display region, layer-thickness adjusting layers each making a layer thickness of said liquid crystal layer in said reflective display region less than a layer thickness of said liquid crystal layer in said transmissive display region, and said first transparent electrodes, stacked in this order from a lower layer side to an upper layer side,
 - wherein, on at least one of said first and second substrates, a light shielding film is formed so as to be superimposed on a boundary region of said reflective display region and said transmissive display region.
2. A transflective liquid crystal device according to claim 1, wherein said light shielding film is formed on a side of said first transparent substrate.

3. A transflective liquid crystal device according to claim 1, wherein each of said layer-thickness adjusting layers is arranged so that the boundary region of said reflective display region and said transmissive display region constitutes an inclined surface.

4. A transflective liquid crystal device according to claim 3, wherein said light shielding film is formed in a region where said light shielding film is two-dimensionally superimposed on said inclined surface of said layer-thickness adjusting layers.

5. A transflective liquid crystal device according to claim 1, wherein said light shielding film is formed so as to be two-dimensionally superimposed on an edge portion of said light reflecting layer.

6. A transflective liquid crystal device according to claim 1, wherein each of said transmissive display regions is disposed at an end portion of said pixel region.

7. A transflective liquid crystal device according to claim 6, wherein each of said pixel regions is formed as a rectangular region, and wherein each of said transmissive display regions has a rectangular shape at least one side of which is superimposed on a side of said pixel region.

8. A transflective liquid crystal device according to claim 7, wherein each of said transmissive display regions is positioned so that one side thereof is superimposed on a side of said pixel region.

9. A transflective liquid crystal device according to claim 7, wherein each of said transmissive display regions is positioned so that two sides thereof are superimposed on sides of said pixel region.

10. A transflective liquid crystal device according to claim 7, wherein each of said transmissive display region is positioned so that three sides thereof are superimposed on sides of said pixel region.

11. A transflective liquid crystal device according to claim 10, wherein a wiring line that blocks light so as to divide said pixel region into two, runs as said light shielding film, and wherein each of said reflective display regions and one of said transmissive display regions are disposed on respective opposite sides of said wiring line.

12. A transflective liquid crystal device according to claim 1, wherein said reflective display regions and said transmissive display regions are individually provided with a color filter.

13. A transflective liquid crystal device according to claim 1, wherein a reflective display color filter is formed in each of said reflective display regions, while a transmissive display color filter having a coloring degree higher than that of said reflective display region color filter, is formed in each of said transmissive display regions.

14. A transflective liquid crystal device according to claim 1, wherein said reflective display region and said transmissive display region are essentially equal in area.